

Claims

1. Method for transporting physical objects, wherein at least one physical object is transported from a sending station to a receiving station, wherein the transport occurs through at least one physical router, wherein the physical router executes a decision about further parameters of transport to another physical router or to the receiving station, characterised in that information for handling and moving the physical object is generated and transferred to a logical node, wherein the information is used to handle and move the physical packets according to a handling and moving of packets in a telecommunication protocol and wherein the logical node transfers the decision to the sending station and/or at least one physical router.
2. The method according to claim 1, characterised in that the information for handling the physical objects is transmitted in logical packets.
3. The method according to claim 2, characterised in that the information is stored in a header of one logical packet.
4. The method according to any of the precedent claims, characterised in that the logical node is assigned to a physical guide.
5. The method according to any of the precedent claims, characterised in that at least one routing mechanism is used.
6. The method according to claim 5, characterised in that the routing is performed within a network layer.
7. The method according to any of the precedent claims, characterised in that an Internet Protocol is used.
8. The method according to any of the precedent claims, characterised in that a cell switching technology is used.

9. The method according to claim 8, characterised in that the cell switching is performed in an asynchronous transfer mode.
- 5 10. The method according to any of the precedent claims, characterised in that an Internet Control Message Protocols (ICMP) provides network services to the upper layers.
- 10 11. The method according to any of the precedent claims, characterised in that Internet Protocol Addresses are transferred to data link addresses.
12. The method according to claim 11, characterised in that the Internet Protocol Addresses are transferred to the Data Link Addresses according to an Address Resolution Protocol.
- 15 13. The method according to any of the precedent claims, characterised in that at least one interior gateway routing protocol is used.
14. The method according to claim 13, characterised in that an open shortest path first protocol is used.
- 20 15. The method according to any of the precedent claims, characterised in that a packet-scheduling algorithm is used.
- 25 16. The method according to claim 15, characterised in that the packet-scheduling is performed with weighted fair queuing.
17. The method according to any of the precedent claims, characterised in that at least one virtual private network is used.
- 30 18. The method according to any of the precedent claims, characterised in that differentiated services are used.

19. The method according to any of the precedent claims, characterised in that a communication protocol signals a router to reserve bandwidth for real-time transmission.
- 5 20. The method according to any of the precedent claims, characterised in that a multiprotocol label switching is used.
21. The method according to any of the precedent claims, characterised in that at least one site creates at least one home agent for a communication with at least one other site.
- 10 22. The method according to any of the precedent claims, characterised in that a transmission control protocol is used.
- 15 23. The method according to any of the precedent claims, characterised in that a control protocol is used.
24. The method according to any of the precedent claims, characterised in that a real-time protocol is used.
- 20 25. The method according to any of the precedent claims, characterised in that a movement of the logical packet and the physical object is synchronised.
- 25 26. Transportation system for the transport of physical objects, wherein the transportation system contains transport means to transport at least one physical object from a sending station to a receiving station, wherein the transport occurs through at least one physical router, wherein the physical router executes a decision about further parameters of transport to another physical router or to the receiving station, characterised in that information for for handling and moving the physical object is generated and transferred to a logical node, wherein the information is used to handle and move the physical packets according to a handling and moving of packets in a
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telecommunication protocol and wherein the logical node transfers the decision to the sending station and/or at least one physical router.

- 5 27. Transportation means, capable of transporting at least one physical object from, to or between a sending station, a receiving station or a physical router, characterised in that the transportation means executes a transportation according to parameters which have been transmitted according to at least one telecommunication protocol.
- 10 28. Physical guide, capable of executing a decision about parameters of transport to another physical router or to a receiving station, characterised in that a logical node is assigned to the physical router, wherein information is transmitted according to at least one telecommunication protocol and wherein the logical node takes the decision and wherein the decision is
15 taken according to at least one telecommunication protocol.
- 20 29. Computer program, capable of controlling a message for transporting physical objects, wherein the transport occurs through at least one physical router, wherein the physical router executes a decision about further parameters of transport, characterised in that the computer program takes the decision according to information for handling the physical object and wherein the decision is taken according to at least one telecommunication protocol.
- 25 30. Computer program product, characterised in that it contains a computer program as it is described in claim 29 and that it is loadable in a logical node.

List of References

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| | 1 | physical layer |
| | 2 | data link layer |
| 5 | 3 | network layer |
| | 4 | transport layer |
| | 5 | session layer |
| | 6 | presentation layer |
| | 7 | application layer |
| 10 | 10 | physical transport layer |
| | 20 | logical transport layer |
| | 30 | application layer |
| | L1 | location 1 |
| | L2 | location 2 |
| 15 | L3 | location 3 |
| | L4 | location 5 |
| | L5 | location 5 |
| | T1 | transport means 1 |
| | T2 | transport means 2 |
| 20 | T3 | transport means 3 |
| | T4 | transport means 4 |